

HowTo Document

Lab1:

- Downloaded CoolTerm for Mac
 - Must connect to proper port and clear the data afterwards to use
- Imported files into my local desktop using git on terminal
 - Git clone, git pull, etc.
- Set CCS workspace to the workspace within the local SE423 folder on desktop

Lab2:

- Adding variables to watchlist by right clicking on the variable and selecting add to watch list
 - Allows easy access to variable's value overtime
- Add breakpoints to code by clicking on the left of the code on the gray bar
 - Stops code at the break points to check for errors

Additional Questions:

- 1) $\text{Max} = 2^{33} - 1 = 8388607$, $\text{Min} = -8388608$
- 2) Answers are:
 - a) -9189
 - b) 7989
 - c) -32589
- 3) It is high 1
- 4) $(2^{32} - 1) * (1/200000000) = 21.47 \text{ s}$
- 5)

```
if ((GpioDataRegs.GPADAT.all & 0x3000) == 0x3000){  
    // do something  
}
```
- 6)

```
int16_t ReadSwitches(void) {  
    return ~(GpioDataRegs.GPADAT.all >> 4) & 0xF;  
}
```